

Pneumatic valve VL-5-1/4-B

Part number: 14294

FESTO



[PDF](#) General operating condition

Data sheet

Feature	Value
Valve function	5/2, monostable
Actuation type	Pneumatic
Width	32 mm
Normal nominal flow rate (normalized to DIN 1343)	1300 l/min
Pneumatic working port	G1/4
Operating pressure	0 MPa ... 1 MPa
Operating pressure	0 bar ... 10 bar
Structural design	Plate seat
Reset method	Mechanical spring
Nominal width	7 mm
Width dimension	33 mm
Exhaust air function	With flow control option
Sealing principle	Soft
Mounting position	Any
Manual override	None
Type of control	Direct
Pilot air supply port	External
Flow direction	Non-reversible
Symbol	00991001
Lap	Underlap
Pilot pressure MPa	0.15 MPa ... 1 MPa
Pilot pressure	1.5 bar ... 10 bar
b-value	0.29
C value	5.5 l/sbar
Max. switching frequency	3 Hz
Switching time off	12 ms
On switching time	2 ms
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-40 °C ... 60 °C
Temperature of medium	-10 °C ... 60 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-10 °C ... 60 °C
Product weight	240 g

Feature	Value
Type of mounting	On PR rail With through-hole
Pilot air port 14	G1/8
Pneumatic connection 1	G1/4
Pneumatic connection 2	G1/4
Pneumatic connection 3	G1/4
Pneumatic connection 4	G1/4
Pneumatic connection 5	G1/4
Note on materials	RoHS-compliant
Seals material	NBR PU
Housing material	Die-cast aluminum